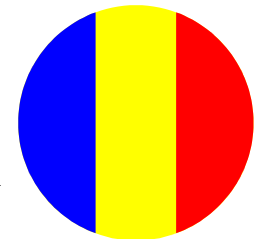
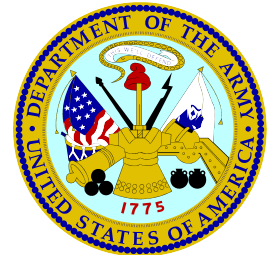


# LTC D. Jones-Harris

Training Development & Analysis Directorate  
TRADOC Program Integration Office-  
The Army Distance Learning Program



## Overview of The Army Distance Learning Program (TADLP) for

## Spain-US Army Staff Talk

# XV

United States Army Training & Doctrine

4-9 March 2001

Office of the Deputy Chief of Staff for Training

FT Monmouth, Virginia



# Purpose

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**To provide an overview of The  
Army's Distance Learning  
Program**

# The Army Distance Learning Program

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**“To improve readiness by the delivery of standardized individual, collective, and self-development training to soldiers and units any time and any place through the application of multiple means and technologies.”**



**1996**



**2010**

# Why TADLP?

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**More Soldier Time....**

**Less Student Time....**



**Improve  
Soldier  
Performance!**

- 29,000 Soldiers Deployed To 77 Countries on 272 Missions
- 125,000 Forward Deployed
- Average Deployment for Operational Soldiers is 180 Days
- Mission



**THE  
ANSWER IS  
DISTANCE**

**Manpower Down 35%**  
**Requirements Up 300%**

**Resources by 40%**

# **Distance Learning Vision**

---

- **Life Long Learning**
- **Improved Access And Opportunity**
- **Increased Access At Place Of Duty**
- **Provide Training Any Time And Any Place**
- **Reduced Cost Per Trained Soldier**
- **Greater Stability For Families**
- **Just In Time Reach Back Capability**
- **Increased Readiness**
- **Increased Effectiveness In Training And Education**

**Deliver High Quality, Individually Tailored, And Cost Effective Training And Education To Soldiers And Leaders Anywhere, Anytime Through An Integrated Network Of Technological Capabilities And Processes**

# Emphasis for FY02

---



- **Army Division Redesign Study (ADRS)** Military Occupation Specialty Qualification/ Non-Commissioned Officer Education System Courses
- Intermediate Level Education Common Core
- Advanced Officer Leader/Battle Captain Course Branch Technical Phases



- Non-Commissioned Officer Education System and **Skill Level 10 Reclass**



- Continue to improve Military Occupation Specialty Qualification



- Assist Active Component/Reserve Component with better access



- Reduce total time in schoolhouse
- Provide access within 50 miles to all Active Component/ Reserve Component
- Functional Area Training (i.e. Battle Staff NCO Course)

# Future Strategy

---

- **High/Low Technology Mix**
- **Digital Training Facilities:**
  - Simulations and media rich courseware is easily delivered to Digital Training Facility (high bandwidth)
  - Proctored testing
  - Guaranteed access to those soldiers without computers
  - Easier security control (firewalls)
  - Desk top videoteletraining (better group-instructor collaboration)
- **Home & work computers (Internet)**
  - Compressing courseware for low bandwidth delivery at home or work
  - Easier, more convenient access

# TADLP Execution Goals

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- TADLP Goals:

- **525** Courses slated for redesign to Distance Learning by FY2010
  - Sharable Courseware Object Reference Model (SCORM) compliant
- **850** TADLP & Digital Training Technology Program (DTTP) Digital Training Facilities planned for 95% coverage of the Army (Active & Reserve Components)
  - Full Interconnectivity & Capability
- Deployed Training & Real Time Simulations under development



# Execution of the Plan to Date

---

✓ Regulations are in place

- **Courseware:**

- **43 Courses finished**

- **92+** Distance learning modules currently on Army Training Requirements and Resources System

- **133** Program courses funded

- **11** Completed unit Distance learning products

✓ Interim Learning Management System is in place

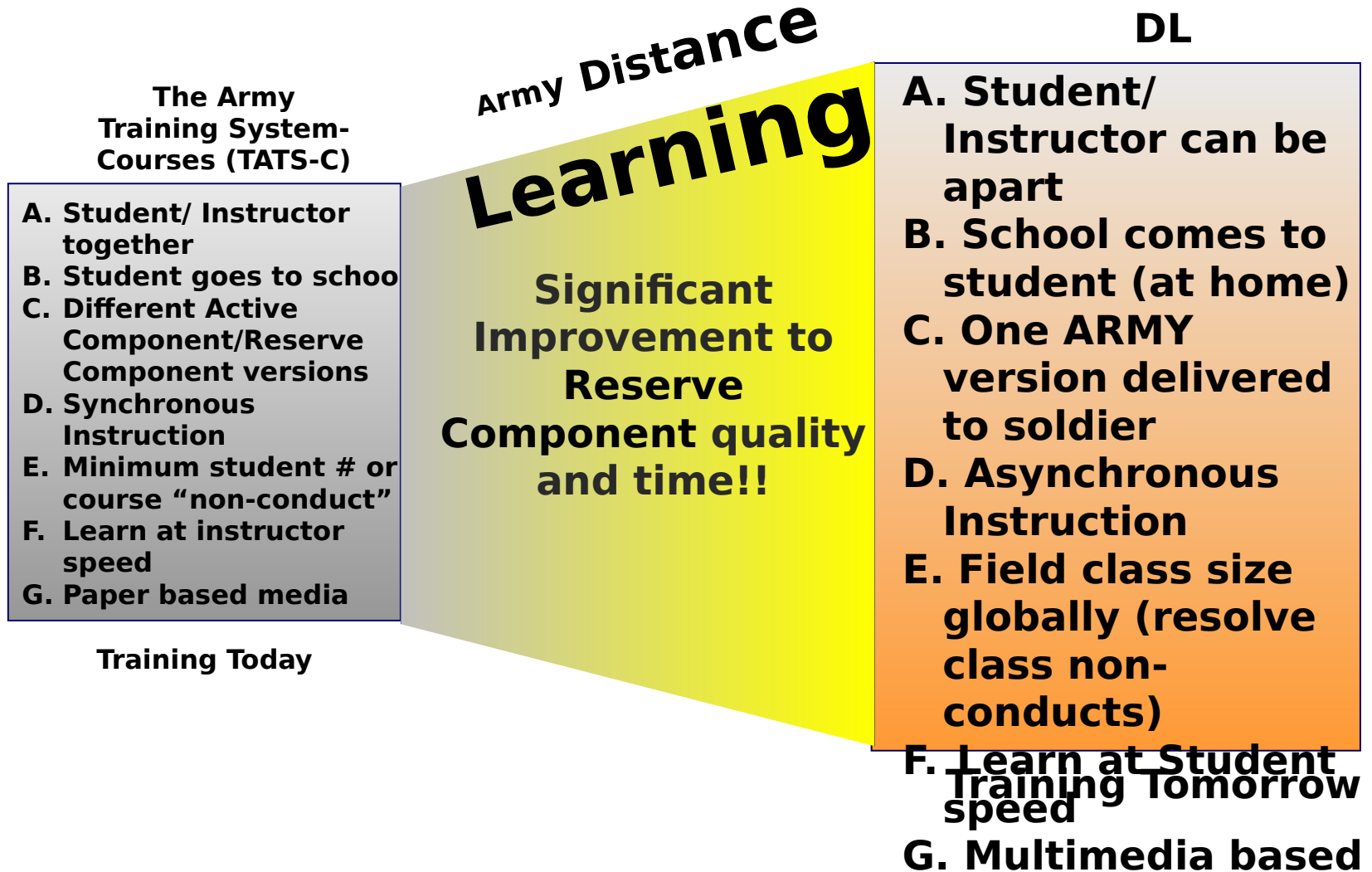
# Execution of the Plan to Date

---

- **Digital Training Facilities:**

- **381** TADLP Digital Training Facilities scheduled through FY06
  - **193** TADLP Digital Training Facilities completed
  - **125** Block II upgrades
- **469** Distributed Training Technology Project Digital Training Facilities scheduled
  - **241** Distributed Training Technology Project Digital Training Facilities completed

# TADLP Training Benefits



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# **Distance Learning Courseware**

# **Programmed Course Redesign**

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**FY 01 - 39 Courses Funded  
Programmed \$22.5 M  
Spent on Courseware 24.5  
M**

**Chief of Staff, Army,  
"Double or Triple Courses  
Redesigned per Year."  
21 June 2001**

- **TADLP Master Plan  
Courseware Objectives:**

- **FY 98-02 - Redesign 31  
Courses  
Per Year**
- **FY 03-10 - Redesign 47  
Courses Per**

# Courseware Training Technology



Use of **Videoteletraining** for deployed Soldiers. The equipment is modular and ready for transport.



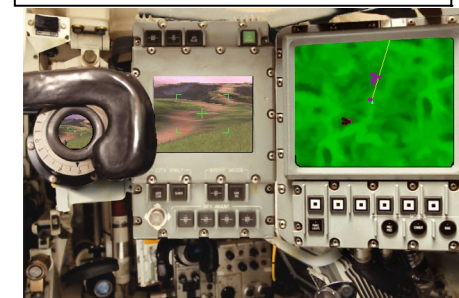
Use of Videoteletraining in a **Digital Training Facility** with facilitator present. Soldiers can learn without leaving home station.



Use of **Digital Training Facilities** computers for **CD-ROM** based Equal Opportunity/Prevention of Sexual Harassment training. Stand-alone, yet interactive, it draws the student in.



Use of **Internet based courses**, such as the Armor Captain's Career Course, allows soldiers to train Anytime, Anyplace.



Use of **simulations** to sharpen skills, increase readiness, and reduce training costs. Here an example of a Commercial-off-the-shelf Armor simulation.

# Armor Captain Career Course-Reserve Component

---

- Currently being run in a pilot status.
- The Armor Captain's Career Course - Reserve Component (Distance Learning) consists of **3 phases**.
- **Phase I** is delivered via the **Internet & is entirely asynchronous**. This is the knowledge based *crawl* phase.
- **Phase II** is also delivered via the **Internet but is synchronous**. Students collaborate in a virtual tactical environment. This is the *walk* phase.
- **Phase III** is conducted during a **2-week Active Duty for Training**. Exercises are conducted at FT Knox in simulators and local training areas.
- Ongoing validation being conducted by Army Research Institute.



# Combat Lifesaver Course

---

- The Combat Lifesaver Course trains **non-medical soldiers** to provide emergency medical care as a secondary mission to his combat mission.
- Course is **delivered in multiple formats**:
  - **Correspondence**- The course is offered through the Army Correspondence Course Program (ACCP).
  - **Video Teletraining**- Primary site broadcasts instruction to one or more distance learning sites that meet course criteria.
  - **CD-ROM**- Army Medical Department School & National Guard Bureau developed an interactive CD-ROM to be used for sustainment or refresher training. (Does not replace ACCP or videoteletraining courses)
  - **Web Site**- Information on the course is available on the Internet. The web site provides general information on the program.

**Over 30,000 Combat Lifesaver CD-ROMs delivered for training**



# Field Artillery DL Courses - FY 01

**In FY01 Distance Learning  
Training Conducted by  
Field Artillery School**

Training			
NCOES		MOSQ	
13B30	15	13R10	19
13B40	0	13F10	2
13F30	3	82C10	0
13F40	0	93F10	0
		13C10	0
<b>TOTAL</b>	<b>18</b>		<b>21</b>
<b>FY 00</b>	<b>578</b>		<b>255</b>

Training is presented from FT Sill using TADLP Digital Training Facilities and Classroom XXI classrooms.

Training technology mix includes Computer-based Instruction, web-based, videotetraining and audio-based software for VTT backup.

# Field Artillery DL Courses - FY 02

## In FY02 Distance Learning Training Requirements for Field Artillery School

Training Requirements			
NCOES		MOSQ	
13B30	191	13R10	19
13B40	31	13F10	162
13F30	95	82C10	12
13F40	25	93F10	10
		13C10	0
<b>TOTAL</b>	<b>342</b>		<b>193</b>

Training is presented from FT Sill using TADLP Digital Training Facilities and Classroom XXI classrooms.

Training technology mix includes Computer-based Instruction, WWW-based, videoteletraining and audio-based software for VTT backup.

# First Sergeant Course (FSC)



Traditionally course  
was 5 weeks at FT  
Bliss

**Prepares selected  
Master Sergeants for  
duties as a unit First  
Sergeant**

**\$600K  
Cost  
Avoided  
Per Fiscal  
Year**

**429 soldiers trained  
using this distance  
learning course since  
Jan 99**

## 2 Phase Course:

- Phase I: Currently paper based self-study with WWW testing (Internet delivery working)
- Phase II:
  - 15 Training Days
    - Ft Bliss - US Army Sergeants Major Academy
    - Four Reserve Component Total Army School System Sites
    - Distance Learning-Videoteletraining
      - Germany
      - Alaska (FY 01 Proposed)
      - Seven CONUS
      - Hawaii



# Hazardous Material For Transportation Course

---

**Request for course redesign to distance learning delivery made by US Army - Europe in May 99 to meet operational needs**

**Delivered DEC 99**

**Effectiveness validated by School of Military Packaging Technology instructors at DL sites and comments in After Action Review**

- **Hazardous Material Distance Learning Pilot conducted 6-17 Dec 99**

- **Pilot delivered via videoteletraining to 41 students located at 2 sites**

- **300+ students trained**

- **Results comparable to resident training**

# Army - Smartforce

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**Smartforce provides distance learning to military and civilian Army personnel worldwide.**



SmartForce

**Up to 1,500 SmartCourses now available to Army personnel anytime and from any computer in the world with an Internet connection**

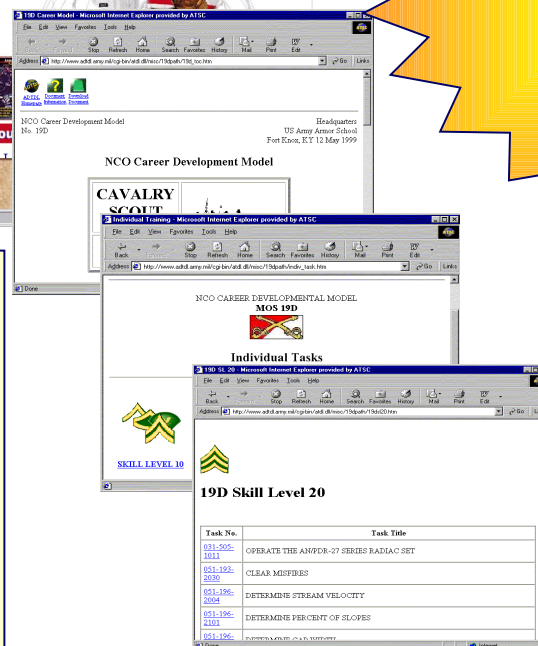
**[www.smartforce.com](http://www.smartforce.com)**

# Reimer Digital Library

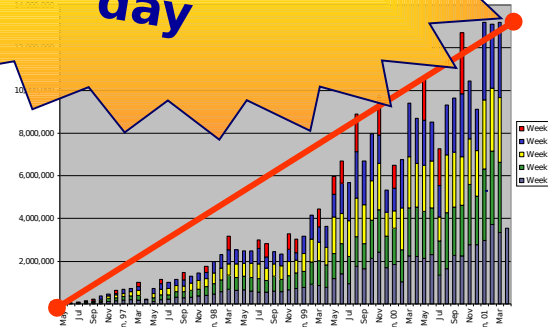


**Instant  
worldwide  
access  
24 hours a  
day**

- **Field Manuals** **461**
- **Correspond Courses** **59**
- **TATS Courses** **86**
- **Course Materials** **8**
- **Common Core TSP** **178**
- **Mission Tng Plans** **180**
- **Soldier Tng Product** **145**
- **Graphic Tng Aids** **273**
- **Training Circulars** **65**
- **Joint Publications** **35**
- **USAF Pubs** **115**
- **USMC Pubs** **49**
- **Navy Pubs** **30**
- **Coast Guard Pubs** **8**



**19D Demo  
11B Demo  
Reimer Digital Library**



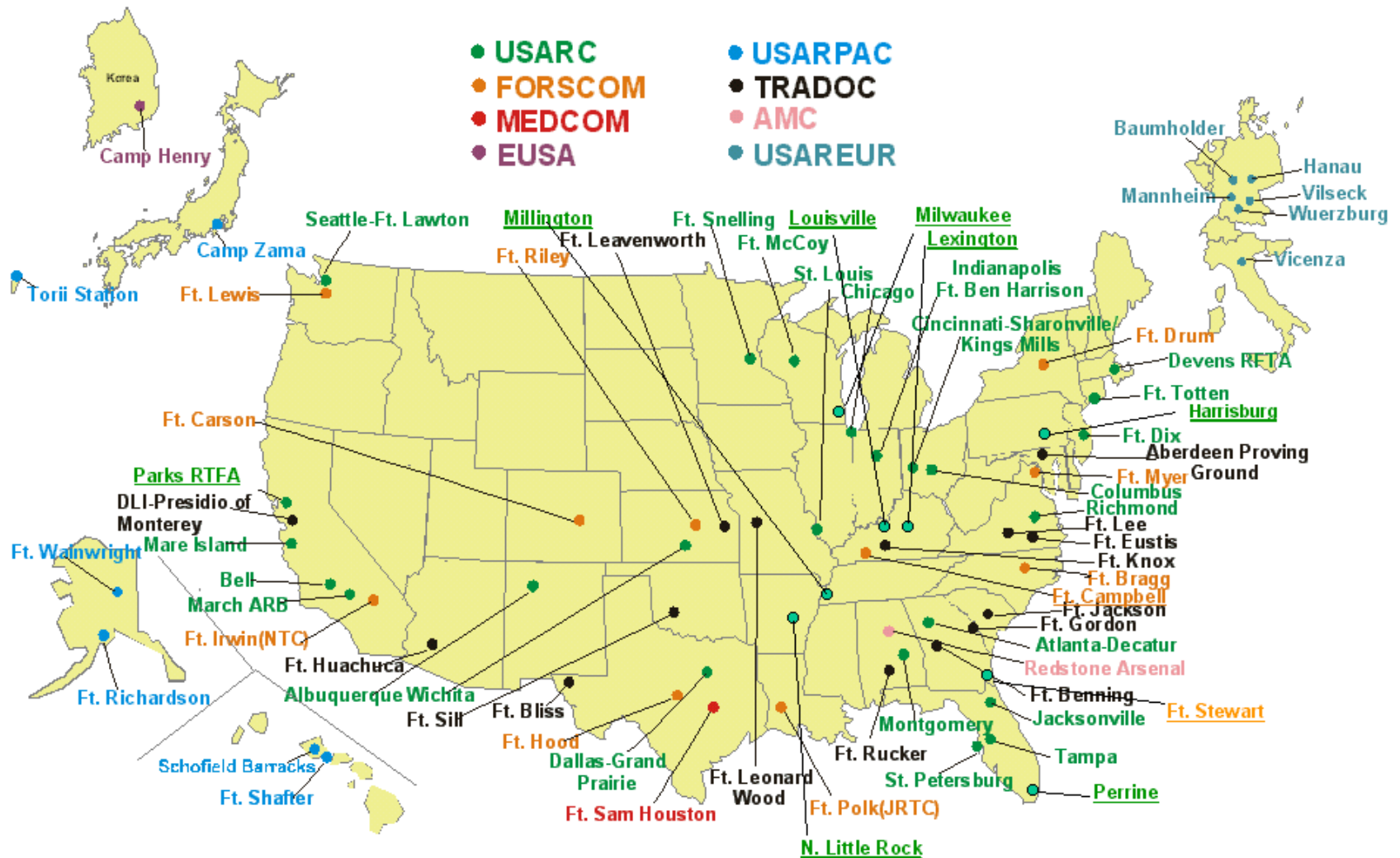
**From 4K Hits a  
Month in July '96  
To  
14.5M Hits a  
Month in Dec '01**

---

# Digital Training Facilities

# Fielded Digital Training Facility

**Locations**  
Facilitates the ability for Command and Senior Leaders to participate-  
collaborate synchronously at geographically dispersed locations





# Digital Training Facility Layout

**4.5Mbps  
Facilitates  
Near Real  
Time  
Streaming  
Video&  
Simulations**

## **Video Tele-training (VTT) Equipment**

- 2 35" TVs
- 30 Frames per second VTT
- Student Camera
- VCR
- Speakers
- Automatic Gate
- Microphone Mixer
- Pentium II 233MHz CPU
- Wireless Mouse
- Infra-Red Keyboard
- T1 Line  
(384 KBPS/2 way Audio-Video)

## **12/16 Student Workstations**

- Push to Talk Mics
- Office 97 Pro
- Modular Furniture
- Adjustable Chairs
- Win NT 4.0
- Internet Explorer
- Pentium II 400 Mhz.
- CD ROM Drives
- 64Meg Ram
- 10/100 Mbps Network card
- Stereo Headphones

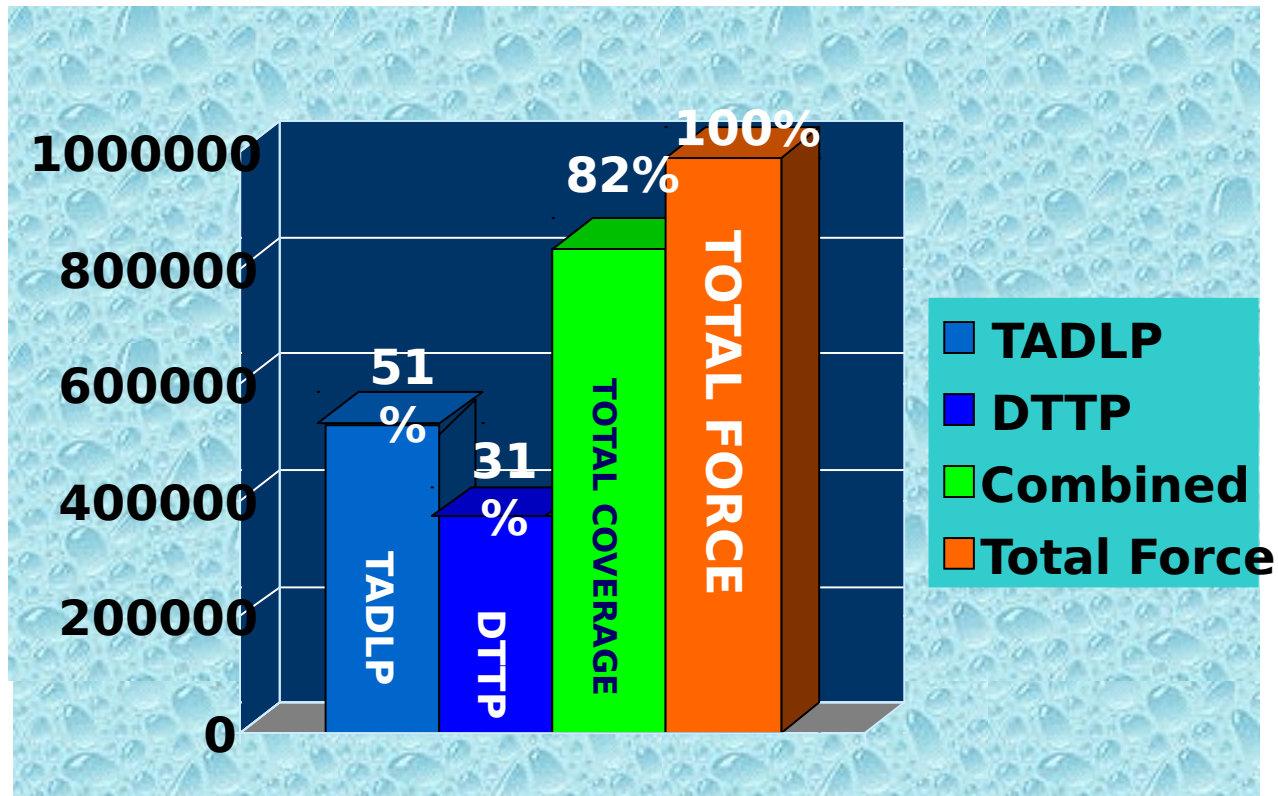
## **Comm Rack (Private Network connection)**

- 24 port 10/100 Switch
- 24 port Patch Panel
- Pentium III 500 Mhz Xeon NT  
Servers
- Router
- CSU/DSU
- UPS

## **Comm Rack (NIPRNET Connection)**

- 24 port 10/100 Switch
- 24 port Patch Panel
- Pentium III 500 Mhz Xeon NT  
Servers
- Encryption and Encapsulation  
Device
- UPS

# TADLP Digital Training Facility Footprint on the Force



As of Nov 2001 the combined TADLP/DTTP programs have fielded 471 Digital Training Facilities. This quantity and the strategic locations of the DTFs fielded results in an 82% coverage of the Force in terms of accessibility to a DTF within 50 miles of home station.

---

# Deployed Training

# Deployable Training Campus

• Mission Readiness Training

## Linkable Sites:

• Professional Development Training

**187 TADLP & DTTP Sites**

• Sustained Training

**250 MEDICAL COMMAND Sites**

**46 USAF Sites**

• Exchange Lessons Learned

**40 Universities**

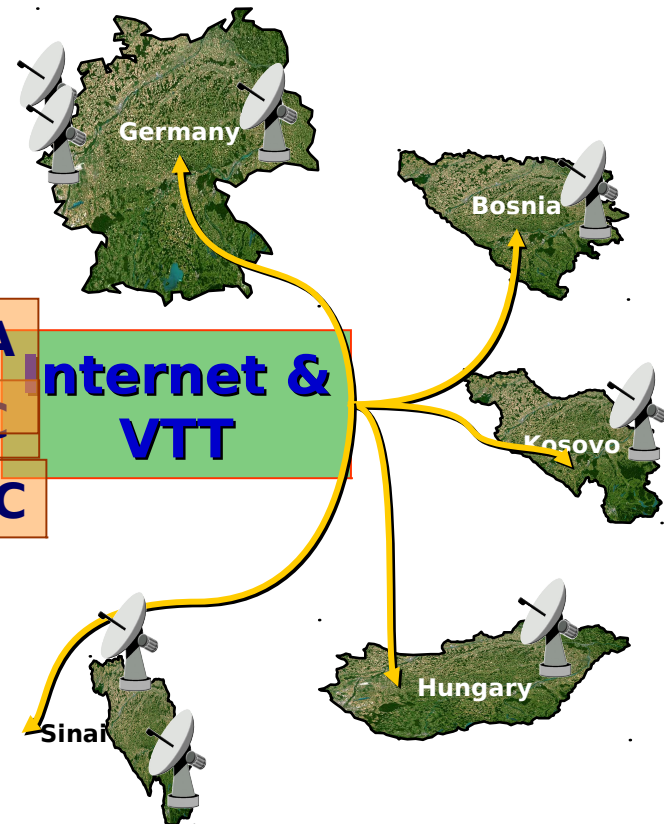
**30 Contractor Sites**

• Link

**2000+ Misc. Sites**

**HAZMAT  
BNCOC  
BSNCOC**

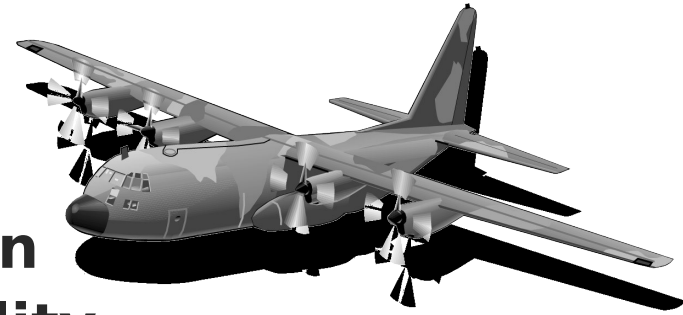
## Deployed Sites:



# System Capabilities

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- **Fully Deployable**
- **Two Person Installation**
- **Maintainable by One Person**
- **Telecommunication Capability:**
  - Video Teleconferencing
  - Internet/Email Access
  - Telephone Service
- **110/220** Volts Alternating Current Compatible
- **Supports up to 16 Students**
- **Minimal Physical Footprint**
- **Dual 42" Plasma Displays**
- **Picture-in-Picture**



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# Summary

# Benefits Summary

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## Leveraging Information Age Technologies in Training.....

- **Improved readiness**
- **Continuous training environment throughout career**
- **Blurs distinction between training and operating environments**
- **Facilitates development and distribution of critical training**
- **Reduces time soldiers are away from unit/home station**
- **Training efficiencies through use of multimedia**
- **Significant training cost savings**
- **Provides standardized reserve component and active component training**
- **Places field manuals and reference materials at users fingertips**
- **Accessibility to online higher education courses**
- **Quicker & wider dissemination of updated training materials**
- **More realistic simulations with many more real-life players**

# DL Links & Points of Contact

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## DL Links

The Army Distance Learning Program (TADLP)- <http://www.tadlp.monroe.army.mil/>

TADLP PM- <http://www.tadlp.army.mil/>

OSD Advanced Distributed Learning- <http://www.adlnet.org/>

Army National Guard DL- <http://www-ngb5.ngb.army.mil/tng/arngdl.htm>

ATSC- <http://www.atsc.army.mil/>

Reimer Digital Library- <http://www.adtdl.army.mil/atdls.htm>

US Army Publishing Agency- <http://www.usapa.army.mil/>

Acronym Finder- <http://www.acronymfinder.com/>

## DL POCs

<b>COL Olson</b>	<b>TRADOC Program Integration Officer</b>	<a href="mailto:Olsonc@monroe.army.mil">Olsonc@monroe.army.mil</a>
<b>LTC Jones-Harris</b>	<b>DL Branch Chief</b>	<a href="mailto:jones-harrisdf@monroe.army.mil">jones-harrisdf@monroe.army.mil</a>
<b>MAJ Slowey</b>	<b>Training Staff Officer</b>	<a href="mailto:Sloweypj@monroe.army.mil">Sloweypj@monroe.army.mil</a>
<b>MAJ Gunnerson</b>	<b>Training Staff Officer</b>	<a href="mailto:Gunnersonal@monroe.army.mil">Gunnersonal@monroe.army.mil</a>
<b>Mr. Frank Goodwin</b>	<b>Analyst</b>	<a href="mailto:Goodwinf@monroe.army.mil">Goodwinf@monroe.army.mil</a>
<b>Mr. Curtis Holmes</b>	<b>Analyst</b>	<a href="mailto:Holmescc@monroe.army.mil">Holmescc@monroe.army.mil</a>